

Miniature Contact Switches

Compact / NO (Normally Open)

■Features: O.D. is M5 or Ø5, overall length is 17mm, (Regular) Miniature Contact Switches. For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

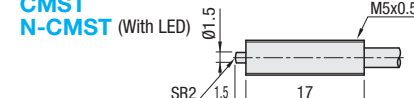
■Compact



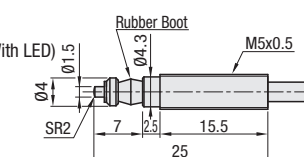
RoHS 10

■Bolt

Regular (IP40)
CMST
N-CMST (With LED)

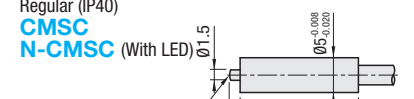


Water-Proof (IP67)
CMSTW
N-CMSTW (With LED)

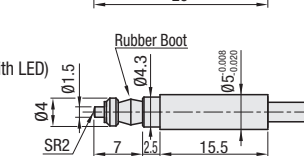


■Standard

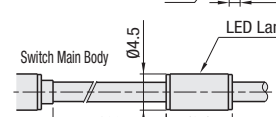
Regular (IP40)
CMSC
N-CMSC (With LED)



Water-Proof (IP67)
CMSCW
N-CMSCW (With LED)



Switch Main Body



LED Lamp

Contact Part	Main Body	Cable	Accessory
Material	Hardness	Material	
EN 1.4029 Equiv.	45HRC	EN 1.4305 Equiv.	Cable 2m, Ø3 Oil-resistant, Min. Bending Radius R7
			Hex Nut 2 pcs. (Thickness 2.4, Hex Socket 7)

Part Number	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 10 pc(s).	
					CMST, CMSTW	N-CMST, N-CMSTW
Regular (IP40) CMST N-CMST	1.5	No Pre-Travel (Repeatability 0.003)	0.5N	NC (Normally Closed)		
Water-Proof (IP67) CMSTW N-CMSTW			0.8N			

Part Number	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 10 pc(s).	
					CMSC, CMSCW	N-CMSC, N-CMSCW
Regular (IP40) CMSC N-CMSC	1.5	No Pre-Travel (Repeatability 0.003)	0.5N	NC (Normally Closed)		
Water-Proof (IP67) CMSCW N-CMSCW			0.8N			

For orders larger than indicated quantity, please check with WOS.

Ordering Example
Part Number
CMST

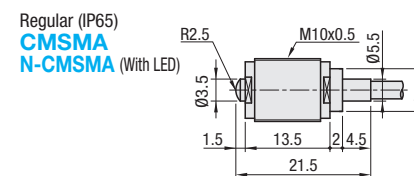
For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

■NO (Normally Open)

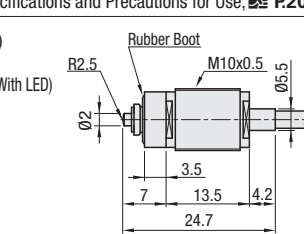


RoHS 10

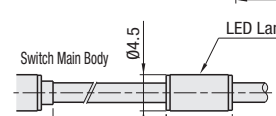
Regular (IP65)
CMSMA
N-CMSMA (With LED)



Water-Proof (IP67)
CMSMWA
N-CMSMWA (With LED)



Switch Main Body



LED Lamp

Contact Part	Main Body	Cable	Accessory
Material	Hardness	Material	
Stainless Steel	50HRC	EN 1.4305 Equiv.	Cable 2m, Ø3 Oil-resistant, Min. Bending Radius R7
			Wrench Hex Nut (Thickness 3, Hex Socket 13)

Part Number	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 10 pc(s).	
					CMSMA, CMSMWA	N-CMSMA, N-CMSMWA
Regular (IP65) CMSMA N-CMSMA	1.5	0.3 from Tip (Repeatability 0.003)	1N	NO (Normally Open)		
Water-Proof (IP67) CMSMWA N-CMSMWA						

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Ordering Example
Part Number
CMSMA

High Accuracy Positioning Switches

Bolt / Tip Shape Selectable / Flat

Do not use in environments where coolant or dust from machining may fall on the product. The silicon (rubber) boots may be damaged. For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

■Bolt (IP67)

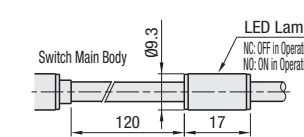
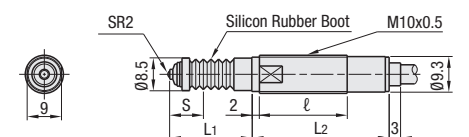


RoHS 10

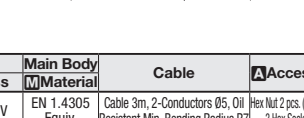
3mm Stroke
10mm Stroke

MSTK
MSTKL

N-MSTK-D
N-MSTKL-D (With LED)



Switch Main Body



LED Lamp

NC, OFF in Operation
NO, ON in Operation

Contact Part	Main Body	Cable	Accessory
Material	Hardness	Material	
Carbide	1300~1600HV	EN 1.4305 Equiv.	Cable 3m, 2-Conductors Ø5, Oil Resistant Min. Bending Radius R7
			Hex Nut 2 pcs. (Thickness 3, Hex Socket 13)

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■Shape Selectable (IP67)

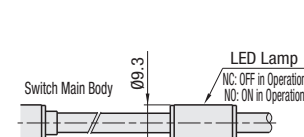
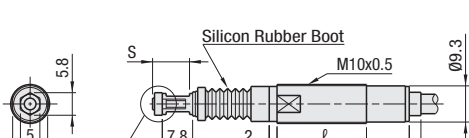


RoHS 10

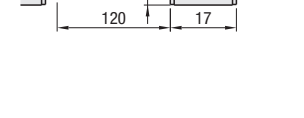
3mm Stroke
10mm Stroke

MSTA
MSTAL

N-MSTA-D
N-MSTAL-D (With LED)



Switch Main Body



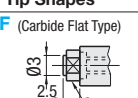
LED Lamp

NC, OFF in Operation
NO, ON in Operation

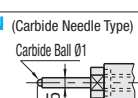
Tip Shape Selection

• Tip Shapes

F (Carbide Flat Type)



N (Carbide Needle Type)



• Use within the contact ratings.
• Do not pull or twist the cable with 30N or more.

Contact Part	Main Body	Cable	Accessory
Material	Hardness	Material	
Carbide	1300~1600HV	EN 1.4305 Equiv.	Cable 3m, 2-Conductors Ø5, Oil Resistant Min. Bending Radius R7
			Hex Nut 2 pcs. (Thickness 3, Hex Socket 13)

Part Number	Contact Logic	Stroke S	Operating Point	Repeatability	Contact Force N	L1	L2	ℓ	MSTA(L)		N-MSTA(L)-D	
									Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
MSTA	NC	3	No Pre-Travel	0.0005	1	20.5	23.2	18.2				
N-MSTA-D	NO	3	0.2									
MSTAL	NC	10	No Pre-Travel	0.0005	1	31.5	40	23				
N-MSTAL-D	NO	10	No Pre-Travel									

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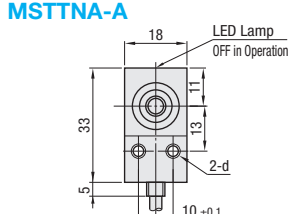
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■Flat (IP67)

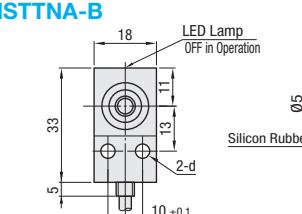


RoHS 10

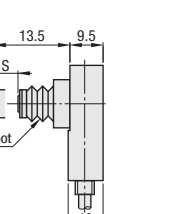
MSTTNA-A



MSTTNA-B



Switch Main Body



LED Lamp

NC, OFF in Operation
NO, ON in Operation

LED Lamp

NC, OFF in Operation
NO, ON in Operation

LED Lamp

NC, OFF in Operation
NO, ON in Operation

LED Lamp

NC, OFF in Operation
NO, ON in Operation

Contact Part	Main Body	Cable
Material	Hardness	Material
Carbide	1300~1600HV	Aluminum
		Clear Anodize
		Cable 3m, 2-Conductors Ø5, Oil Resistant Min. Bending Radius R7

For orders larger than indicated quantity, please check with WOS.

Ordering Example
Part Number - Contact Logic
MSTK - NC
N-MSTA-DF - NC
MSTTNA-A - NC

